

The HyDE model of ADAPT contains a description of the behavior of the components in the ADAPT electrical power system. This model was created by encoding knowledge of electrical components taught in a basic electronics class into a form readable by the HyDE software tool. Note that the HyDE tool itself is not a part of this package. HyDE uses this model to monitor and diagnose the ADAPT electrical power system.

ADAPT stands for Advanced Diagnostic and Prognostic Testbed. It is designed to test and evaluate diagnosis and prognosis tools, usually software algorithms. The testbed itself is centered around an electrical power system representative of aerospace and space systems. Faults may be injected via software or hardware means, and the diagnostic algorithms are tested on their ability to detect those faults. ADAPT is built with common off-the-shelf components, and the electrical system design is not based on any aerospace vehicle in particular.